# PATENT COOPERATION TREATY

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 08614.6	FOR FURTHER A	FOR FURTHER ACTION See Form PCT/IPEA/416						
International application No.	International filing da	te (day/month/year)	Priority date (day/month/year)					
PCT/EP2005/00035	0 14.01.200	5	14.01.2004					
International Patent Classification (II		IPC						
Applicant EWALD DÖRKEN AG			·					
<ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>								
2. This REPORT consists of a	a total of 4	sheets, including	ng this cover sheet.					
<ol> <li>This report is also accompa</li> </ol>	anied by ANNEXES, comprising:							
K-71		_	sheets, as follows:					
sheets of sheets cor	a. (sent to the applicant and to the International Bureau) a total of 3 sheets, as follows:  sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets wh the disclo Box.	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
b. (sent to the Inte	ernational Bureau only) a total of	(indicate type and numb	er of electronic carrier(s))					
			containing a sequence listing and/or tables					
containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4. This report contains indicate	tions relating to the following iter	ns:						
Box No. I B	Basis of the report							
	riority							
		regard to novelty, inven	ntive step and industrial applicability					
	•	<i>5</i>						
Rox No. V								
Box No. VI Certain documents cited								
	Certain defects in the international	application						
	Cam observations on the fine in							
Date of submission of the demand		Date of completion of t	his report					
Name and mailing address of the IPE	EA/EP	Authorized officer						
Facsimile No.		Telephone No.						

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2005/000350

Box	No. I	Basis of the report					
1.		regard to the language, this report is based on the internation ated under this item.	al application in the language in which it was filed, unless otherwise				
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:						
		international search (Rule 12.3 and 23.1(b))					
٠		publication of the international application (Rule 12.4)					
		international preliminary examination (Rule 55.2 and/o	or 55.3)				
2.	recei		report is based on (replacement sheets which have been furnished to the referred to in this report as "originally filed" and are not annexed to				
			as originally filed/furnished				
		pages*					
		pages*	received by this Authority on				
	·M	the claims:					
		nos.	as originally filed/furnished				
		nos.*	as amended (together with any statement) under Article 19				
		nos.* 1-15	received by this Authority on 28.04.2006 by fax				
		nos.*	received by this Authority on				
	$\boxtimes$	the drawings:					
		sheets 1/1	as originally filed/furnished				
		sheets*	received by this Authority on				
			received by this Authority on				
	$\Box$		· · · · · · · · · · · · · · · · · · ·				
		a sequence listing and/or any related table(s) - see Suppleme	mai box Relating to Sequence Listing.				
3.	Ш	The amendments have resulted in the cancellation of:					
		the description, pages					
		the claims, nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
4.		This report has been established as if (some of) the amendathey have been considered to go beyond the disclosure as file	ments annexed to this report and listed below had not been made, since ed, as indicated in the Supplemental Box (Rule 70.2(c)).				
		the description, pages					
		the claims, nos.					
		the drawings, sheets/figs					
*	If ite	em 4 applies, some or all of those sheets may be marked "supe					

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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PCT/EP2005/000350

Box			ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-15	YES
		Claims		NO
	Inventive step (IS)	Claims	10-13, 15	YES
		Claims	1-9, 14	NO
	Industrial applicability (IA)	Claims	1-15	YES
		Claims		NO
1				

- 2. Citations and explanations (Rule 70.7)
  - 1.1 Document JP-A-06200595 discloses an insulating studded sheet (8), which on one side of a plane has shaped hollow studs and on one side of a plane, in order to increase the heat transfer resistance, has a surface with a relatively high degree of reflection.
  - 1.2 The subject matter of claim 1, which is directed to a product, differs from that already known and in the corresponding variant in that the sheet has a degree of reflection of more than 20% on both sides of the plane.
  - 1.3 Such a degree of reflection can be implicitly deduced from the citation (aluminium-coating) and the restriction "on both sides" would, according to the circumstances, be considered obvious by a person skilled in the art, and therefore the subject matter of the claim does not involve an inventive step (PCT Article 33(3)). The additional features introduced by claims 4, 5, 7 and 9 are already known from the citation. In addition, the other variant of claim 1 (hollow

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measure that is known per se.

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; ditations and explanations supporting such statement

studs formed on both sides) is a structural

- 2. The features added by product claims 2, 3, 6 and 8 and method claim 14 do not support an inventive step (PCT Article 33(3)): claims 2 and 6; suggested by JP-A-06200595 (aluminium coating); claims 3 and 8; a pigmented (titanium dioxide) plastic that reflects infrared radiation is known per se from US-A-20030148093; claim 14; a procedure of this kind is standard in the production of studded sheets.
- 3. Composite plates with a studded sheet arranged on a base component, again for increasing heat transfer resistance, are known, inter alia, from DE-A-2149851 (see metal studded sheet (1)). It would not, however, be considered obvious to replace that sheet with the studded sheet claimed by the present claim 1, and therefore claim 10, and claims 11-13, which are dependent thereon, satisfy the criteria in PCT Article 33(3). This assessment applies mutatis mutandis to method claim 15.